CLAIMS:

1. An electrode assembly arranged to carry out a bioelectrical interaction with an individual, said electrode assembly comprising a conductive material having a contact surface arranged to be brought into contact with a receiving area of the individual's skin, said conductive material being electrically connectable to a suitable electronic device to enable said interaction, characterized in that said electrode assembly comprises impedance control means arranged to control the impedance of the receiving area of the individual's skin prior to an event of the bioelectrical interaction.

2. An electrode assembly according to claim 1, characterized in that the impedance control means comprises a depot of a conductive fluidum and an actuatable discharge means arranged to discharge said fluidum in a space between the contact surface and the receiving area.

3. An electrode assembly according to claim 2, characterized in that the contact surface of the conductive material comprises a layer provided with pores, the impedance control means comprising a container with an ignitable pressurized gas arranged to induce a force on said depot in a direction of the pores upon an event of an ignition.

4. An electrode assembly according to claim 2, characterized in that the contact surface of the conductive material is formed by a compartment housing said depot, the discharge means comprising a settable fiber located in said compartment and extending in a direction transversal to the contact surface.

5. An electrode assembly according to claim 4, characterized in that the settable fiber comprises an electrostrictive material.

6. An electrode assembly according to claim 4, characterized in that the settable fiber comprises a thermoelectric material.

7. An electrode assembly according to any one of the preceding claims, characterized in that the conductive material comprises a conductive fabric.

8. A system for enabling a bioelectrical interaction with an individual, said system comprising an electrode assembly according to any one of the preceding claims.

9. A system according to claim 8, characterized in that the bioelectrical interaction comprises a monitoring of a vital sign by means of measuring an electrical signal on the body of the individual.

10. A system according to claim 8, characterized in that the bioelectrical interaction comprises an induction of an electrical current in the body of the individual.